

## Product datasheet for **RC209120L2V**

### PLC delta 3 (PLCD3) (NM\_133373) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PLC delta 3 (PLCD3) (NM_133373) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PLC delta 3
Synonyms:	PLC-delta-3
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_133373
ORF Size:	2367 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209120).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_133373.3</a> , <a href="#">NP_588614.1</a>
RefSeq Size:	3477 bp
RefSeq ORF:	2370 bp
Locus ID:	113026
UniProt ID:	<a href="#">Q8N3E9</a>
Cytogenetics:	17q21.31
Domains:	C2, PI-PLC-X, PI-PLC-Y, PH
Protein Families:	Druggable Genome



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**Protein Pathways:** Calcium signaling pathway, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

**MW:** 89.1 kDa

**Gene Summary:** This gene encodes a member of the phospholipase C family, which catalyze the hydrolysis of phosphatidylinositol 4,5-bisphosphate to generate the second messengers diacylglycerol and inositol 1,4,5-trisphosphate (IP3). Diacylglycerol and IP3 mediate a variety of cellular responses to extracellular stimuli by inducing protein kinase C and increasing cytosolic Ca(2+) concentrations. This enzyme localizes to the plasma membrane and requires calcium for activation. Its activity is inhibited by spermine, sphingosine, and several phospholipids. [provided by RefSeq, Jul 2008]